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LIST OF REFERENCES CITED BY APPLICANT

Atty Docket No.:

4910-2

Filing Date:

March 07, 2000

Serial No.:

09/520,255

Group Art:

Applicant:

Steve ROFFLER et al.

U.S. PATENT DOCUMENTS

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	AC	•					·	
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

		
my	AE	Klibanov et al., "Blood Clearance of Radiolabeled Antibody: Enhancement by Lactosamination and Treatment with Biotin-Avidin or Anti-Mouse-IgG Antibodies", pp. 1951-1956, The Journal of Nuclear Medicine, Vol. 29, No. 12, Dec. 1988
1	AF	Yao et al, "Improved Targeting of Radiolabeled Surepravidin in Tumors Pretargeted with Biorinylated Monoclonal Antibodies through an Avidin Chase", pp. 837-841, The Journal of Nuclear Medicine, Vol. 36, No. 5, May. 1995
	AG	Guermant et al., "Quantitative Determination of Polyethylene Glycol Based upon its Salting Out and Partitioning of a Dye into the Resulting Aqueous Two-Phase System", pp. 254-258, Analytical Biochemistry 230, (1995)
	АН	Kerr et al., "Application of Monoclonal Antibodies egainst Gytosine Deaminase for the in Vivo Clearance of a Cytosine Deaminase Immunoconjugate", pp. 353-357, Bioconjugate Chem., Vol. 4, No. 5, (1993)
	AI ·	Pedley et al., "The effect of second antibody clearance on the distribution and dosimetry of radiolabelled anti-cea antibody in a human colonic tumor xenograft model", pp. 713-718, Int. J. Cancer 43, (1989)
	AJ	Sharkey et al., "Enhanced Clearance of Radiolabeled Murine Monoclonal Antibody By a Syngeneic Anti-idiotype Antibody in Turnor-Bearing Nude Mice", pp. 266-273, Int. J. Cancer, 51 (1992)
	AK	Kinahan et al., "High-performance liquid chromatographic determination of PEG 600 in human urine", pp. 297-307, Journal of Chromatography, 565, (1991)
6	AL	Ruddy et al., "High-performance liquid chromatographic method for the simultaneous determination of low-molecular mass oligomers of polyethylene glycol in aqueous skin extracts", pp. 83-92, Journal of Chromatography B. 657 (1994)
	АМ	Kobayashi et al. *Comparison of the Chase Effects of Avidin, Streptavidin, Neutravidin, and Avidin-Ferritin on a Radiolabeled Biotinylated Anti-Tumor Monocional Antibody*, pp. 310-314. Jpn. J. Cancer Res. 86, March 1995
	AN	Zhang et al., "Intravenous Avidin Chase Improved Localization of Radiolabeled Streptavidin in Intraperitoneal Xenograft pretargeted with Biotinylated Antibody", pp. 61-64, Nuclear Medicine & Biology, Vol. 24, (1997)
	AO	Sharkey et al., "Second antibody Clearance of radiolabeled antibody in cancer radioimmunodetection", pp. 2843-2846, Proc. Natl. Acad. Sci. USA, Vol. 81, May 1985
1-	AP	Nag et al., "A colorimetric Assay for Estimation of Polyethylene Glycol and Polyethylene Glyculated Protein Using Ammonium Ferrothiocyanate", pp. 224-231, Analytical Biochemistry 237, (1996)

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mg	AQ	Cheng et al., Accelerated Clearance of Polyethylene Glycol Modified Proteins by Anti-polyethylene Glycol IgM*, pp. 520-528, Bioconjugate Chemistry, Vol 10, No. 3, Catte missing
	AR	Cheng et al., "Efficient Clearance of Poly(ethylene glycol)-Modified Immunoenzyme with Anti PEG monoclonal Antibody for Prodrug Cancer Therapy", pp. 258-266, Bioconjugate Chemistry, Vol. 11, No. 2, (2000)
	AS	Rogers et al., "Plaşma clearance of an antibody - enzyme conjugate in ADEPT by monoclonal anti-enzyme: its effect on prodrug activation in vivo", pp. 1357-1363, British Journal of Cancer, 72, (1995)
	AT .	Ryan et al., "Separation and Quantitation of Polyethylene Glycols 400 and 3350 from Human urin by High- Performance Liquid Chromatography", pp. 350-351, Journal of Pharmaceutical Sciences/351, Vol. 81, No. 4, April 1992
	ΑU	Marshall et al.: "Galactosylated streptavidin for improved clearance of biotinylated intact and F(ab') ₂ fragments of an anti-tumour antibody", pp. 18-24, British Journal of Cancer 71, (1995)
	AV	Sharma et al., *Inactivation and clearance of an anti-CEA carboxypeptidase G2 conjugate in blood after localisation in a xenograft model*, pp. 659-662, Br. J. Cancer, 61, (1990)
\ \ \ \ \ \	AW	Stocks et al., "A fluorometric Assay of the Degree of Modification of Protein Primary Amines with Polyethylene Olycol", pp. 232-234, Analytical Biochemistry 154, (1986)
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Aff.				ancement by Lactosamination and Treatment The Journal of Nuclear Medicine, Vol. 29,			
SV		Monoclonal Antibodies through 5, May, 1995.		he Journal of Nuclear Medicine, Vol. 36, No.			
W		Partioning of a Dye into the F 230, (1995).		em', pp. 254-258, <u>Analytical Biochemistry</u>			
- PX		Cytosine Deaminase Immuno	oconjugate", pp. 353-357, Bioconjug	• •			
B		Anti-Cea Antibody in a Huma	an Colonic Tumor Xenograft Model*,	istribution and Dosimetry of Radiolabelled pp. 713-718, Int. J. Cancer 43, (1989).			
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BN .				Radiolabeled Streptavidin in Intraperitoneal clear Medicine & Biology, Vol. 24 (1997).			
R		2843-2846, Proc. Natl. Acad.	Sci. USA, Vol. 81, May 1985.	body in Cancer Radioimmunodetection*, pp.			
PK.		Using Ammonium Ferrothioc	yanate", pp. 224-231, Analytical Biog	Slycol and Polyethylene Glycolated Protein chemistry, 237, (1996).			
J.V.	-	IgM*, pp. 520-528, Bioconjug	learance of Polyethylene Glycol-Moc late Chemistry, Vol. 10, No. 3, 1999. Lance of Poly(ethylene glycol)- Modifi	diffied Proteins by Anti-Polyethylene Glycol			
Ъ √		Monoclonal Antibody for Proc (2000)	drug Cancer Therapy", pp. 258-266,	Bioconjugate Chemistry, Vol. 11 No. 2			
H		Its Effect on Prodrug Activation	on in vivo", pp. 1357-1363, British Jo	ate in ADEPT by monoclonal Anti-Enzyme: burnal of Cancer, 72, (1995)			
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